

Node JS Syllabus

Session 1: Introduction to Node JS

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|---------------------------|--|
| ✓ Introduction to Node JS | ✓ What is Node JS, Node.js Process Model |
| ✓ Advantages of Node JS | ✓ Traditional Web Server Model |

Session 2: Setup Development Environment

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|------------------------------|------------------------------------|
| ✓ Install Node.js on Windows | ✓ Working in REPL, Node JS Console |
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Session 3: Node JS Modules

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|-----------------------------|-------------------------------|
| ✓ Functions, Buffer, Module | ✓ Core Modules, Local Modules |
| ✓ Modules Types | ✓ Modules Exports |

Session 4: Node Package Manager

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|--|-------------------------------------|
| ✓ What is NPM, Installing Packages Locally | ✓ Adding dependency in package json |
| ✓ Installing package globally | ✓ Updating packages |

Session 5: Creating Web Server

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|-----------------------|--------------------------|
| ✓ Creating Web Server | ✓ Handling http requests |
| ✓ Sending Requests | |

Session 6: File System

- | | |
|-----------------------------------|---------------------------------|
| ✓ Fs.readFile, Writing a File | ✓ Writing a file asynchronously |
| ✓ Opening a file, Deleting a file | ✓ Other IO Operations |

Session 7: Debugging Node JS Application

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|-------------------------|--|
| ✓ Core Node JS Debugger | |
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Session 8: Events

- | | |
|-----------------------|---------------------------|
| ✓ Event Emitter class | ✓ Returning event emitter |
| ✓ Inheriting Events | |

Session 9: Express JS

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| ✓ Configuring Routes | ✓ Working with Express |
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Session 10: Serving Static Resources

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|------------------------|----------------------------|
| ✓ Serving Static Files | ✓ Working with Middle Ware |
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Session 11: Database Connectivity

- | | |
|----------------------------------|-------------------------------|
| ✓ Connecting String, Configuring | ✓ Working with Select Command |
| ✓ Updating Records | ✓ Deleting Records |

Session 12: Project Development

- | | |
|-------------------------------------|--|
| ✓ Project Development using Node JS | |
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